

Abstract

A conveying apparatus comprises an elongated conveying bed which includes a proximal end and a distal end. A support structure for the conveying bed accommodates vibratory motion of a portion of the conveying bed extending from the proximal end a substantial distance toward the distal end but dampens vibratory motion at the distal end. In addition, a piezoelectric driver is operatively connected to the conveying bed adjacent the proximal end. Consequently, operation of the piezoelectric driver will induce a wave motion in the conveying bed which will effectively convey a material from the proximal end to the distal end.